

| | | | |
|--|--|---------------------------------------|-------------------------------|
| Substitute Form PTO-1449 (Modification of Information Disclosure Statement) | U.S. Department of Commerce Patent and Trademark Office | Attorney's Docket No. 07148-094002 | Application No. 10/758,064 |
| Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b)) | | Applicant Basil Shorrosh et al. | |
| | | Filing Date January 15, 2004 | Group Art Unit 1642 |

| U.S. Patent Documents | | | | | | | |
|-----------------------|-----------|---------------|------------|--------------------|-------|----------|----------------------------|
| Examiner Initial | Desig. ID | Patent Number | Issue Date | Patentee | Class | Subclass | Filing Date If Appropriate |
| EM | AA | 5,498,544 | 03/12/96 | Gengenbach et al. | | | |
| | AB | 5,539,092 | 07/23/96 | Haselkorn et al. | | | |
| | AC | 5,559,220 | 09/24/96 | Roessler et al. | | | |
| | AD | 5,641,666 | 06/24/97 | Vahlensieck et al. | | | |
| | AE | 5,756,290 | 05/26/98 | Haselkorn et al. | | | |
| | AF | 5,792,627 | 08/11/98 | Haselkorn et al. | | | |
| | AG | 5,801,233 | 09/01/98 | Haselkorn et al. | | | |
| | AH | 5,854,420 | 12/29/98 | Ashton et al. | | | |
| | AI | 5,910,626 | 06/08/99 | Haselkorn et al. | | | |
| | AJ | 5,925,805 | 07/20/99 | Ohlrogge et al. | | | |
| | AK | 5,962,767 | 10/05/99 | Ohlrogge et al. | | | |
| | AL | 5,972,644 | 10/26/99 | Haselkorn et al. | | | |

| Foreign Patent Documents or Published Foreign Patent Applications | | | | | | | |
|---|-----------|-----------------|------------------|--------------------------|-------|----------|-----------------------|
| Examiner Initial | Desig. ID | Document Number | Publication Date | Country or Patent Office | Class | Subclass | Translation Yes No |
| | AM | | | | | | |

| Other Documents (include Author, Title, Date, and Place of Publication) | | |
|---|-----------|---|
| Examiner Initial | Desig. ID | Document |
| EM | AN | Ashton et al., "Molecular cloning of two different cDNAs for maize acetyl CoA carboxylase," <u>Plant Mol. Biol.</u> , 1994, 24:35-49 |
| | AO | Betty et al., "Purification and Characterization of Acetyl CoA Carboxylase from Developing Pea Embryos," <u>J. Plant Physiol.</u> , 1992, 140:513-520 |
| | AP | Charles and Cherry, "Purification and Characterization of Acetyl-CoA Carboxylase from Developing Soybean Seeds," <u>Phytochemistry</u> , 1986, 25(5):1067-1071 |
| | AQ | DeHaye et al., "Kinetics of the two forms of acetyl-CoA carboxylase from <i>Pisum sativum</i> ," <u>Eur. J. Biochem.</u> , 1994, 225:1113-1123 |
| | AR | Egin-Bühler and Ebel, "Improved Purification and Further Characterization of Acetyl-CoA Carboxylase from Cultured Cells of Parsley (<i>Petroselinum hortense</i>)," <u>Eur. J. Biochem.</u> , 1983, 133:335-339 |
| | AS | Egli et al., "Characterization of Maize Acetyl-Coenzyme A Carboxylase," <u>Plant Physiol.</u> , 1993, 101:499-506 |

| | |
|--|-------------------------------|
| Examiner Signature /Elizabeth McElwain/ | Date Considered 09/14/2006 |
| EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | |

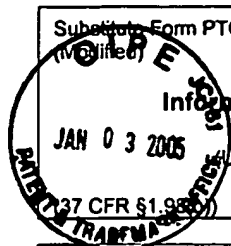
| | | | | |
|---|---|--|---------------------------------------|-------------------------------|
| Substitute Form PTO-1449 Modified AUG 16 2004 PATENT & TRADEMARK OFFICE (b)) | U.S. Department of Commerce Patent and Trademark Office | | Attorney's Docket No. 07148-094002 | Application No. 10/758,064 |
| | Information Disclosure Statement by Applicant (Use several sheets if necessary) | | | |
| | Applicant Basil Shorosh et al. | | Filing Date January 15, 2004 | |
| | Group Art Unit 1642 | | | |

Other Documents (include Author, Title, Date, and Place of Publication)

| Examiner Initial | Desig. ID | Document |
|------------------|-----------|--|
| EM | AT | Elborough et al., "Isolation of cDNA's from <i>Brassica napus</i> encoding the biotin-binding and transcarboxylase domains of acetyl-CoA carboxylase: assignment of the domain structure in a full-length <i>Arabidopsis thaliana</i> genomic clone," <u>Biochem. J.</u> , 1994, 301:599-605 |
| | AU | Gornicki and Haselkorn, "Wheat acetyl-CoA carboxylase," <u>Plant Mol. Biol.</u> , 1993, 22:547-552 |
| | AV | Gornicki et al., "Wheat acetyl-coenzyme A carboxylase: cDNA and protein structure," <u>Proc. Natl. Acad. Sci. USA</u> , 1994, 91:6860-6864 |
| | AW | Ha et al., "Cloning of human acetyl-CoA carboxylase cDNA," <u>Eur. J. Biochem.</u> , 1994, 219:297-306 |
| | AX | Nikolau and Hawke, "Purification and Characterization of Maize Leaf Acetyl-coenzyme A Carboxylase," <u>Arch. Biochem. Biophys.</u> , 1984, 228:86-96 |
| | AY | Page et al., "Acetyl-CoA carboxylase exerts strong flux control over lipid synthesis in plants," <u>Biochim. Biophys. Acta</u> , 1994, 1210:369-372 |
| | AZ | Pollard and Stumpf, "Biosynthesis of C ₂₀ and C ₂₂ Fatty Acids by Developing Seeds of <i>Limnanthes alba</i> ," <u>Plant Physiol.</u> , 1980, 66:649-655 |
| | AAA | Post-Beittenmüller et al., "Regulation of Plant Fatty Acid Biosynthesis," <u>Plant Physiol.</u> , 1992, 100:923-930 |
| | ABB | Roesler et al., "Structure and Expression of an <i>Arabidopsis</i> Acetyl-Coenzyme A Carboxylase Gene," <u>Plant Physiol.</u> , 1994, 105:611-617 |
| | ACC | Roesler et al., "Co-purification, co-immunoprecipitation, and coordinate expression of acetyl-coenzyme A carboxylase activity, biotin carboxylase, and biotin carboxyl carrier protein of higher plants," <u>Planta</u> , 1996, 198:517-525 |
| | ADD | Roesler et al., "Targeting of the <i>Arabidopsis</i> Homomeric Acetyl-Coenzyme A Carboxylase to Plastids of Rapeseeds," <u>Plant Physiol.</u> , 1997, 113:75-81 |
| | AEE | Roessler and Ohlrogge, "Cloning and Characterization of the Gene That Encodes Acetyl-coenzyme A Carboxylase in the Alga <i>Cyclotella cryptica</i> ," <u>J. Biol. Chem.</u> , 1993, 268(26):19254-19259 |
| | AFF | Roughan and Ohlrogge, "Evidence That Isolated Chloroplasts Contain an Integrated Lipid-Synthesizing Assembly that Channels Acetate into Long-Chain Fatty Acids," <u>Plant Physiol.</u> , 1996, 110:1239-1247 |
| | AGG | Schulte et al., "A Gene Encoding Acetyl-Coenzyme A Carboxylase from <i>Brassica napus</i> ," <u>Plant Physiol.</u> , 1994, 106:793-794 |
| | AHH | Schulte et al., "Multi-functional acetyl-CoA carboxylase from <i>Brassica napus</i> is encoded by a multi-gene family: Indication for plastidic localization of at least one isoform," <u>Proc. Natl. Acad. Sci. USA</u> , 1997, 94:3465-3470 |
| | AII | Shorosh et al., "Molecular cloning, characterization, and elicitation of acetyl-CoA carboxylase from alfalfa," <u>Proc. Natl. Acad. Sci. USA</u> , 1994, 91:4323-4327 |
| | AJJ | Shorosh et al., "Structural Analysis, Plastid Localization, and Expression of the Biotin Carboxylase Subunit of Acetyl-Coenzyme A Carboxylase from Tobacco," <u>Plant Physiol.</u> , 1995, 108:805-812 |

| | |
|--|-------------------------------|
| Examiner Signature /Elizabeth McElwain/ | Date Considered 09/14/2006 |
| EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | |

| | | | |
|---|--|---------------------------------------|-------------------------------|
| Substitute Form PTO-1449 (rev. 11/01) | U.S. Department of Commerce Patent and Trademark Office | Attorney's Docket No. 07148-094002 | Application No. 10/758,064 |
| Information Disclosure Statement by Applicant (Use several sheets if necessary) 37 CFR §1.98 (b) | | Applicant Basil S. Shorosh et al. | |
| | | Filing Date January 15, 2004 | Group Art Unit 1642 |



| U.S. Patent Documents | | | | | | | |
|-----------------------|-----------|-----------------|------------------|----------|-------|----------|----------------------------|
| Examiner Initial | Desig. ID | Document Number | Publication Date | Patentee | Class | Subclass | Filing Date If Appropriate |
| | AA | | | | | | |

| Foreign Patent Documents or Published Foreign Patent Applications | | | | | | | | |
|---|-----------|-----------------|------------------|--------------------------|-------|----------|-------------|----|
| Examiner Initial | Desig. ID | Document Number | Publication Date | Country or Patent Office | Class | Subclass | Translation | |
| | | | | | | | Yes | No |
| EM | AB | WO 95/29246 | 11/02/95 | PCT | | | | |
| EM | AC | WO 96/32484 | 10/17/96 | PCT | | | | |
| EM | AD | 07 143887 | 06/06/95 | JP | | | | |

| Other Documents (include Author, Title, Date, and Place of Publication) | | |
|---|-----------|---|
| Examiner Initial | Desig. ID | Document |
| EM | AE | Podkowinski et al., "Structure of a gene encoding a cytosolic acetyl-CoA carboxylase of hexaploid wheat," <u>Proc. Natl. Acad. Sci. USA</u> , 1996, 93(5):1870-1874 |
| EM | AF | Yanai et al., "Genomic Organization of 251 kDa Acetyl-CoA Carboxylase Genes in <i>Arabidopsis</i> : Tandem Gene Duplication has Made Two Differentially Expressed Isozymes," <u>Plant Cell Physiol.</u> , 1995, 36(5):779-787 |
| EM | AG | Sasaki et al., "The Compartmentation of Acetyl-Coenzyme A Carboxylase in Plants," <u>Plant Physiol.</u> , 1995, 108:445-449 |

| | |
|--|-------------------------------|
| Examiner Signature /Elizabeth McElwain/ | Date Considered 09/14/2006 |
| EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | |